

It is not believed that extensions of time or fees for net addition of claims are required beyond those that may otherwise be provided for in documents accompanying this paper. However, if additional extensions of time are necessary to prevent abandonment of this application, then such extensions of time are hereby petitioned under 37 C.F.R. § 1.136(a), and any fees required therefor (including fees for net addition of claims) are hereby authorized to be charged to our Deposit Account No. 19-0036.

Amendments

In the Claims:

Please substitute the following claim 4 for the pending claim 4:

Subst C-1
731
~~4. (Twice amended) The medium of claim 1, wherein said transition metal-binding compound is selected from the group consisting of a polyol, ^{*electro species*} a hydroxypyridine derivative, 1,3,5-N,N',N''-tris(2,3-dihydroxybenzoyl)aminomethylbenzene, ethylenediamine-N,N'-tetramethylenephosphonic acid, trisuccin, an acidic saccharide, a glycosaminoglycan, diethylenetriaminepentaacetic acid, nitrilotriacetic acid mono-substituted 2,2'-bipyridine, bis-substituted 2,2'-bipyridine, tris-substituted 2,2'-bipyridine, a hydroxamate derivative, an amino acid derivative, deferoxamine, ferrioxamine, iron basic porphine, porphyrin and derivatives thereof, DOTA-lysine, a texaphyrin, a sapphyrin, a polyaminocarboxylic acid, an α -hydroxycarboxylic acid, a polyethylenecarbamate, picolinic acid, 4-pyridoxic acid, 3-~~

~~B1~~
hydroxy-2-pyridinemaltol, ethyl maltol, Ustilago ferrichrome, nicotinic acid-N-oxide and
IRC011.

Please substitute the following claim 21 for the pending claim 21:

~~Subt
B2 C1~~
21. (Once amended) The medium of claim 20, wherein said transition element is
iron, or a salt or ion thereof.

Please substitute the following claim 44 for the pending claim 44:

~~Subt
C1
B3~~
44. (Twice amended) A kit for the cultivation of a cell *in vitro*, said kit comprising
a carrier, and further comprising at least one component selected from the group consisting
of one or more cell culture media or media ingredients, one or more transition elements, one
or more transition element complexes, and one or more cells, and at least one second
component selected from the group consisting of one or more transition metal binding
compounds and at least one transition element complex, said complex comprising at least
one transition element or a salt or ion thereof complexed to at least one transition metal-
binding compound.

Please substitute the following claim 60 for the pending claim 60:

~~Subt
B4 C1~~
60. (Once amended) The kit of claim 44, comprising (i) one or more cell culture
media or media ingredients, (ii) one or more transition elements, (iii) one or more transition
element complexes, and (iv) one or more cells.